Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electromagnetic relay comprising:

a control unit configured to control the electromagnetic relay, wherein the control unit ~~is modulated~~ generates a pulse-width modulation signal according to at least one of a voltage supply and a current supply,

at least one contact, controlled by the control unit, wherein the control unit is configured to control the at least one contact according to any one of [[a]] the voltage supply and current supply, the control unit having a calculator for changing a cyclic ratio value of a pulse duration modulator for supplying a contacting voltage or a maintaining voltage;

wherein the control unit is configured to provide [[a]] the contacting voltage to the relay, the contacting voltage sufficient to close the at least one contact; and

wherein the control unit is configured to provide, according to at least one of [[a]] the voltage supply and [[a]] the current supply, [[a]] the maintaining voltage sufficient to maintain closure of the at least one contact.

2. (Currently Amended) A control unit for an electromagnetic relay coupled to a voltage source comprising:

a power supply-adapting module for adapting the power supply of the relay, the power supply-adapting module having a calculator for changing a cyclic ratio value of a pulse duration modulator for supplying a contacting voltage or a maintaining voltage;

wherein the control unit is configured to control the power supply-adapting module;

wherein the control unit ~~is modulated~~ generates a pulse-width modulation signal according to at least one of a voltage supply and a current supply; and

at least one contact controlled by the control unit;

wherein the control unit is configured to provide [[a]] the contacting voltage sufficient to close the contact of the relay; and

wherein the control unit is modulated according to at least one of [[a]] the voltage supply and [[a]] the current supply and wherein the control unit is configured to provide [[a]] the maintaining voltage sufficient to maintain closure of the at least one contact.

3. (Currently Amended) The control unit of claim 2, wherein the control unit comprises a ~~means~~ controller to control the duration of operation of the power supply-adapting module during closure of the contacts.

4. (Previously Presented) The control unit of claim 2, wherein the control unit comprises a module for detecting micro power cuts.

5. (Currently Amended) The control unit of claim 2, further comprising an oscillator connected to the power supply-adapting module~~, wherein the oscillator comprises a calculation means and a means for pulse duration modulation of the supply voltage~~.

6. (Previously Presented) The control unit of claim 2, comprising a memory configured to store characteristics of the relay.

7. (Currently Amended) An electronic circuit comprising:

at least one pulse duration ~~modulation means~~ modulator;

a calculator for changing a cyclic ratio value of the at least one pulse duration modulator for supplying a contacting voltage or a maintaining voltage;

a control-command unit, the at least one pulse duration modulator ~~modulation means~~ controlled by the control-command unit, wherein the control-command unit is programmed for modulating a power supply of at least one electromagnetic relay;

wherein the control-command unit modulates the power supply according to at least one of a voltage supply and a current supply; the control-command unit configured to provide [[a]] the contacting voltage, the contacting voltage sufficient to close the contact of the relay, and according to at least one of [[a]] the voltage supply and [[a]] the current supply to provide [[a]] the maintaining voltage, the maintaining voltage sufficient to maintain this closure.

8. (Previously Presented) The circuit of claim 7, further comprising a micro power cut detector circuit configured to detect micro power cuts.

9. (Previously Presented) The circuit of claim 8, wherein the micro power cut detector circuit, upon detection of a micro power cut, controls the voltage provided to the relay.